

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference WSR-24-PCT	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/US 00/ 23805	International filing date (day/month/year) 30/08/2000	(Earliest) Priority Date (day/month/year) 30/08/1999
Applicant WESTINGHOUSE SAVANNAH RIVER COMPANY et al.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

1
☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

CT/US 00/23805

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 C01B31/02 C01B3/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 653 951 A (RODRIGUEZ NELLY M ET AL) 5 August 1997 (1997-08-05) cited in the application column 1, line 49 -column 2, line 17 ---	1,2
A	US 5 385 876 A (SCHWARZ JAMES A ET AL) 31 January 1995 (1995-01-31) cited in the application column 4, line 61 -column 8, line 49 --- -/--	1,2



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

19 December 2000

Date of mailing of the international search report

02/01/2001

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Clement, J-P

INTERNATIONAL SEARCH REPORT

International Application No

CT/US 00/23805

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A,P	<p>FAN Y -Y ET AL: "The influence of preparation parameters on the mass production of vapor-grown carbon nanofibers"</p> <p>CARBON,US,ELSEVIER SCIENCE PUBLISHING, NEW YORK, NY, vol. 38, no. 6, 2000, pages 789-795, XP004194596 ISSN: 0008-6223 page 790, left-hand column, line 6 - line 39</p> <p>---</p>	2
A,P	<p>CI L ET AL: "Preparation of carbon nanofibers by the floating catalyst method"</p> <p>CARBON,ELSEVIER SCIENCE PUBLISHING, NEW YORK, NY,US, vol. 38, no. 14, 2000, pages 1933-1937, XP004211939 ISSN: 0008-6223 page 1934, right-hand column, line 29 -page 1935, left-hand column, line 11</p> <p>-----</p>	2

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

CT/US 00/23805

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5653951	A	05-08-1997	US 5458784 A	17-10-1995
			AU 5852696 A	11-08-1997
			CA 2229445 A	24-07-1997
			EP 0821621 A	04-02-1998
			WO 9726082 A	24-07-1997
			US 5626650 A	06-05-1997
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US 5385876	A	31-01-1995	AT 171396 T	15-10-1998
			AU 673902 B	28-11-1996
			AU 6166094 A	15-08-1994
			CA 2154757 A	04-08-1994
			DE 69413519 D	29-10-1998
			DE 69413519 T	18-02-1999
			EP 0681509 A	15-11-1995
			JP 8506048 T	02-07-1996
			WO 9416811 A	04-08-1994
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